

REMARKS

Applicants respectfully request reconsideration of the present U.S. Patent application.
Claims 56-114 are pending.

Claim Rejections - 35 U.S.C. § 102

Claims 56-114 are rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,141,567 issued to Youssefmir et al.

As is clearly set forth at Section 2131 of the M.P.E.P., a claim is anticipated only if each and every element as set forth in the claim is found in a single prior art reference.

Claim 56 recites the following:

computing a smart antenna processing strategy for a remote user, based at least in part on received signal data; and
modifying the antenna processing strategy by **incorporating signature data relating to one or more interferers with the received signal data** to reduce one or both of antenna transmit signal strength in, and sensitivity of the antenna to signals from, one or more interferers.

Claims 80 and 104 similarly recite incorporating signature data relating to interferers with the received signal to modify the antenna processing strategy.

The Office Action states that Youssefmir teaches an antenna processing strategy incorporating interferer signature data at col. 18, line 11 to col. 22, line 27, specifically col. 21, lines 59-61 and col. 15, lines 50-54. Applicants respectfully disagree. The cited text of Youssefmir only discloses using the signature of the received antenna signal. More specifically, at the cited col.21, lines 59-61, Youssefmir discloses a model for a received antenna signal that includes $a(t)$, a spatio-temporal signature for the received antenna signal. The model also includes an estimate of the combined noise and interference, $v(t)$. However, Youssefmir does not disclose incorporating signature data of interferers to estimate $v(t)$.

Youssefmir does not disclose modifying an antenna processing strategy by incorporating signature data of one or more interferers with the received signal. This limitation is recited in claims 56, 80, and 104. Therefore, Applicants submit that claims 56, 80, and 104 are not anticipated by Youssefmir.

Claims 57-79, 81-103, and 105-114 are dependent claims, and therefore include the limitations of their independent base claims in addition to adding further limitations of their own. Therefore, Applicants submit that claims 57-79, 81-103, and 105-114 are not anticipated by Youssefmir for at least the reasons set forth above.

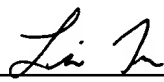
Conclusion

In view of the remarks set forth above, Applicants submit that claims 56-114 are in condition for allowance and such action is respectfully solicited. The Examiner is respectfully requested to contact the undersigned by telephone if it is believed that such contact would further the examination of the present application.

Please charge any shortages and credit any overcharges to our Deposit Account number 02-2666.

Respectfully submitted,
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